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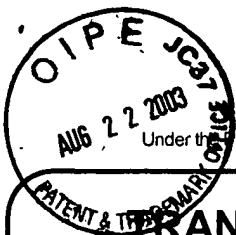
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1641  
PTO/SB/21 (05-03)

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/080,273	
	Filing Date	February 19, 2002	
	First Named Inventor	Lu, Peter S.	
	Art Unit	1641	
	Examiner Name		
Total Number of Pages in This Submission		Attorney Docket Number	020054-002310US

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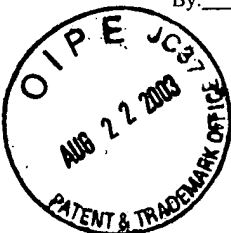
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By: *Nicole Burke*  
Nicole Burke

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Lu et al.

Application No.: 10/080,273

Filed: February 19, 2002

For: PDZ DOMAIN INTERACTIONS  
AND LIPID RAFTS

Examiner:

Art Unit: 1641

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR §1.97 and  
§1.98

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Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

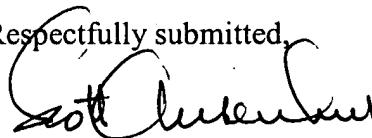
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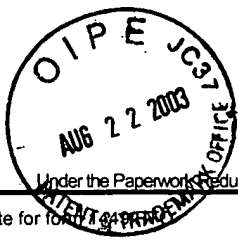
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Scott L. Ausenhuss  
Reg. No. 42,271

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Page 1 of 4

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Art Unit	1641
Examiner Name	
Attorney Docket Number	020054-002310US

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### U.S. PATENT DOCUMENTS

Examiner	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
	A1	US-5,632,994	05/27/97	Reed et al.	
	A2	US-5,747,245	05/05/98	Reed et al.	
	A3	US-5,876,939	03/02/99	Reed et al.	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
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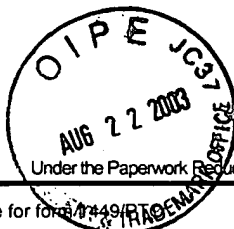
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Application Number	10/080,273
Filing Date	February 19, 2002
First Named Inventor	Lu, Peter S., et. al.
Art Unit	1641
Examiner Name	
Attorney Docket Number	020054-002310US

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	C1	Altin, J. and Sloan, E. "The role of CD45 and CD45-associated molecules in T cell activation" <i>Immunology and Cell Biology</i> , 1997, pp. 430-445, Vol. 75.	
	C2	Bals, R. et al. "Augmentation of Innate Host Defense by Expression of a Cathelicidin Antimicrobial Peptide", <i>Infection and Immunity</i> , November 1999, pp. 6084-6089, Vol. 67, No. 11.	
	C3	Barclay, A., et al., "The Leucocyte Antigen Factsbook", <i>Harcourt Braces &amp; Company</i> , page 363, (1997).	
	C4	Bruyns, E. et al. "Identification of the Sites of Interaction between Lymphocyte Phosphatase-associated Phosphoprotein (LPAP) and CD45", <i>Journal of Biological Chemistry</i> , December 29, 1996, pp. 31372-31376, Vol. 270, No. 52, U.S.A.	
	C5	Cherukuri, A. et al. "Floating the raft hypothesis: lipid rafts play a role in immune cell activation", <i>Immunity</i> , June 2001, pp.657-660, Vol. 14, Cell Press.	
	C6	Ding, I. Et al., "Biochemical and Functional Analysis of Mice Deficient in Expression of the CD45-Associated Phosphoprotein LPAP", <i>European Journal of Immunology</i> , 29(12):3956-61 (1999).	
	C7	Doyle, D. A., et al., "Crystal structures of a complexed and peptide-free membrane protein-binding domain: molecular basis of peptide recognition by PDZ", <i>Cell</i> , 85(7):1067-76, (1996).	
	C8	Faulkner, G. et al. "A New Z-band Alternatively Spliced PDZ-motif Protein." <i>The Journal of Cell Biology</i> , July 26, 1999; pp. 465-475, Vol. 146, No. 2.	
	C9	Gardioli, D. et al. "Oncogenic human papillomavirus E6 proteins target the discs large tumor suppressor for proteasome-mediated degradation", <i>Oncogene</i> , 18(40):5487-5496, (1999).	
	C10	Gee, S.H. et al., "Interaction of Muscle and Brain Sodium Channels with Multiple Members of the Syntrophin Family of Dystrophin-Associated Proteins", <i>J. Neuroscience</i> , 18(1):128-137, (1998).	
	C11	Gee, S.H., et al., "Cyclic Peptides as Non-carboxyl-terminal Ligands of Syntrophin PDZ Domains", <i>The Journal of Biological Chemistry</i> , 273(34):21980-21987, (1998).	
	C12	Hanada, T., et al., "Human Homologue of the Drosophila Discs Large Tumor Suppressor Binds to p56 <sup>lck</sup> Tyrosine Kinase and Shaker Type Kv1.3 Potassium Channel in T. Lymphocytes", <i>The Journal of Biological Chemistry</i> , 272(43):26899-26904, (1997).	
	C13	Kiyono, T. et al. "Binding of high-risk human papillomavirus E6 oncoproteins to the human homologue of the Drosophila discs large tumor suppressor protein", <i>Proc. Natl. Acad. Sci.</i> , October 1997, pp. 11612-11616, Vol. 94, U.S.A.	

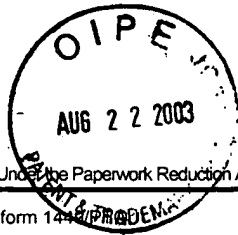
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Application Number	10/080,273
Filing Date	February 19, 2002
First Named Inventor	Lu, Peter S., et. al.
Art Unit	1641
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Attorney Docket Number	020054-002310US

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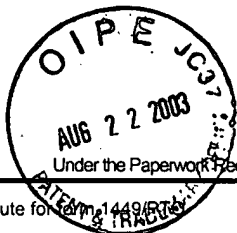
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	C14	Kobayashi, I., et al., "Identification of an Autoimmune Enteropathy-related 75-kilodalton Antigen", <i>Gastroenterology</i> , October 1999, pp. 823-830, Vol. 117, No. 4.	
	C15	Maekawa, K., et al., "Association of Protein-Tyrosine Phosphatase PTP-BAS with the Transcription-factor-inhibitory Protein IκBα Through Interaction Between the PDZ1 Domain and Ankyrin Repeats", <i>Biochemical Journal</i> , 337(2):179-187, (1999).	
	C16	Nagase, T. et al. "Prediction of the Coding Sequence of Unidentified Human Genes. V1. The Coding Sequences of 80 New Genes (KIAA0201-KIAA0280) Deduced by Analysis of cDNA Clones from Cell Line KG-1 and Brain", <i>DNA Research</i> , 1996, pp. 321-329, Vol. 3.	
	C17	Nagase, T. et al. "Prediction of the Coding Sequence of Unidentified Human Genes. V1. The Coding Sequences of 80 New Genes (KIAA0201-KIAA0280) Deduced by Analysis of cDNA Clones from Cell Line KG-1 and Brain (Supplement)", <i>DNA Research</i> , 1996, pp. 341-354, Vol. 3, Supplement.	
	C18	Nishihara, H. et al. "Non-adherent cell-specific expression of DOCK2, a member of the human CDM-family proteins", <i>Biochimica et Biophysica Acta</i> , 1999, pp. 179-187, Elsevier Publishing.	
	C19	Nishihara, H. "Analysis of Hematopoietic Cell Specific Protein, M-DOCK", <i>Hokkaido Igaku Zasshi</i> , March 1999, p. 157-166, Vol. 74, No. 2.	
	C20	Patel, V. et al., "A Molecular Framework for 2-Step T Cell Signaling: Lck Src Homology 3 Mutations Discriminate Distinctly Regulated Lipid Raft Reorganization Events", <i>Journal of Immunology</i> , 166(2):754-64 (2001).	
	C21	Reynaud, C. et al., "The PDZ Protein TIP-1 Interacts with the Rho Effector Rhotekin and Is Involved in Rho Signaling to the Serum Response Element", <i>The Journal of Biological Chemistry</i> , 275(43):33962-33968, (2000).	
	C22	Rousset, R., et al., "The C-terminus of the HTLV-1 Tax oncoprotein mediates interaction with the PDZ domain of cellular proteins" <i>Oncogene</i> , 16(5):643-54, (1998).	
	C23	Saras, J., et al., "PDZ Domains Bind Carboxy-Terminal Sequences of Target Proteins", <i>Trends in Biochemical Sciences</i> , en, Elsevier Publication, Cambridge, 21(12):455-458, (1996).	
	C24	Schepens, J., et al., "The Neuronal Nitric Oxide Synthase PDZ Motif Binds to -G(D.E)XV Carboxy Terminal Sequences", <i>Febs Letters</i> , 409(1-2):53-56, (1997).	
	C25	Shibuya, A., et al., "DNAM-1, A Novel Adhesion Molecule Involved in the Cytolytic Function of T Lymphocytes", <i>Immunity</i> , 4:573-581, (1996).	

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	C26	Shibuya, A., et al., "Protein Kinase C is Involved in the Regulation of Both Signaling and Adhesion Mediated by DNAX Accessory Molecule-1 Receptor", <i>The Journal of Immunology</i> , 161:1671-1676, (1998).	
	C27	Shibuya, K., et al., "Physical and Functional Association of LFA-1 with DNAM-1 Adhesion Molecule", <i>Immunity</i> , 11:615-623, (1999).	
	C28	Suzuki, T., et al., "Tax oncoprotein of HTLV-1 binds to the human homologue of Drosophila discs large tumor suppressor protein, hDLG, and perturbs its function in cell growth control", <i>Oncogene</i> , 18(44):5967-72, (1999).	
	C29	Vallenius, T. et al. "CLP-36 PDZ-LIM Protein Associates with Nonmuscle alpha-Actinin-1 and alpha-Actinin-4." <i>The Journal of Biological Chemistry</i> , April 14, 2000; pp. 11100-11105, Vol. 275, No. 15.	
	C30	Wechsler, A. et al. "Brain Spectrin binding to the NMDA receptor is regulated by phosphorylation, calcium and calmodulin." <i>The EMBO Journal</i> , 1998, pp. 3931-3939, Vol. 17, No. 14.	
	C31	Xia, H. et al. "Actinin-associated LIM Protein: Identification of a Domain Interaction between PDZ and Spectrin-like Repeat Motifs", <i>The Journal of Cell Biology</i> , October 1997, pp. 507-515, Vol. 139, No. 2.	
	C32	Yanagisawa, J., et al., "The Molecular interaction of Fas and FAP-1. A tripeptide blocker of human Fas interaction with FAP-1 promotes Fas-induced apoptosis", <i>J. Biol. Chem.</i> , 272(13):8539-8545, (1997).	
	C33	GenBank, Accession Number BM845132, 03/06/2002	
	C34	GenBank, Accession Number CB131761, 01/29/2003	
	C35	GenBank, Accession Number CB961389, 04/28/2003	
	C36	GenBank, Accession Number CB995033, 04/30/2003	
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	C38	OMIM Database entry entitled, '147138 Fc Fragment of IgE, High Affinity I, Receptor for, Beta Subunit; FCER1B', www.ncbi.nlm.nih.gov/htbin-post/Omim/dispmmim?147138, 08/27/1992 Victor A. McKusick.	
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